Work Orda May 31, 2010 8		287							* *************************************			Page 1
	D412-702-3 Harness Asser	mbly		Accept					Setup S	Start Stop		
Start Date: Required Date: Reference:	5/31/10 6/07/10	Start Qty: 1.00 Req'd Qty: 1.00	(300)01(10)100)		Cust Item I Customer:	D:						
Approvals:	Process Pla	an:	Date:	Tooling: SPC (Y/N):	Da	nte:				Start Stop		
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Rejec Qty		Reject Number	Insp. Stamp
Draw Nbr	Rev	vision Nbr										
DSI 9511	A											- - ,
Small Fab		. Memo Assemble	e as per dwg ICA D412-702	0.00 0.00 p.49			V		510/1	26	for .	
QC Quality Control		QC5- Inspect part cor	npleteness to step on W/O	0.00	oblu			. (C))			
120				0.00					//	7		

Packaging

Memo

0.00

Packaging

Identify with P/N & CHG# and pack for shipping as per PPP D412-702-313 CHG001
Location:
PPP Rev:______

/9/a/o (1)

Work Order ID 59287

May 31, 2010 8:39:04 AM

Required Date: 6/07/10



Page 2

Item ID:

D412-702-313

Accept

Setup Start

Stop



Revision ID:

Item Name:

Harness Assembly

Start Date:

5/31/10

Start Qty: 1.00

Req'd Qty: 1.00



Date:

Cust Item ID: Customer:

Reference:

A	ppr	ova	ls:

Process Plan:

Date: __

Tooling:

SPC (Y/N):

Date:

Date:

Start Run

Qty

Stop

Sequence ID/

Work Center ID

130

Operation Description

QC21- Final Inspection - Work Order Release

Set Up/ **Run Hours**

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Reject Number

Insp. Stamp

Quality Control

Memo

0.00

Picklist Print

May 31, 2010 8:39:03 AM

Work Order ID: 59287

Parent Item:

D412-702-313

Parent Item Name: Harness Assembly

Comments:

IPP Rev:A new issue DD 10.04.30 verified:EC



Start Date: 5/31/10

Required Date: 6/07/10

Start Qty: 1.00

Required Qty: 1.00

	Comments:	PP Rev:A new issu	ie DD 10.04.30	verified	i:EC				2	Start Qty: 1.00)	Require	ed Qty: 1.0	J0
	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
*	D3570-2		Manufactured	No			100	Each	12.0000		1510,	/06 fc	, 0/	
					Location		Loc (<u>Oty</u>	Loc Code					
					ST245A			12		_	,	_		
1	D4088-043					55210		12		_				
1	D4088-043 Shoulder Harness		Manufactured	No			B 580	Each 233	0.0000		- E/S/	0/00	, for	
*	MS24694-S50		Purchased	No			100	Each	58.0000	4 /	4 LJS:	10/00	j /01	
					Location		Loc	<u>Otv</u>	Loc Code					
					ST289			58		_	-	_		
\	•					113538		58		-	4	_		
7	CAN960JD10L	NAS1149D0332J	Purchased	No			100	Each	3,923.000) 4 	45	0/06	pi	
					Location		Loc	<u>Otv</u>	Loc Code					
					ST348			3923		_		_		
						110985		3923		_	4	<u>-</u>		

Picklist Print

May 31, 2010 8:39:03 AM

Work Order ID: 59287

D412-702-313

Parent Item Name: Harness Assembly

Comments:

Parent Item:

IPP Rev:A new issue DD 10.04.30 verified:EC



Start Date: 5/31/10

Required Date: 6/07/10

Page 2

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Prima Item Locati	 Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MS21042L3		Purchased	No	100	Each	3,655.000	4	4			

114784



Location	Loc Qty	Loc Code
ST300	3655	
113537	20	
113644	135	
114523	1000	
114718	500	

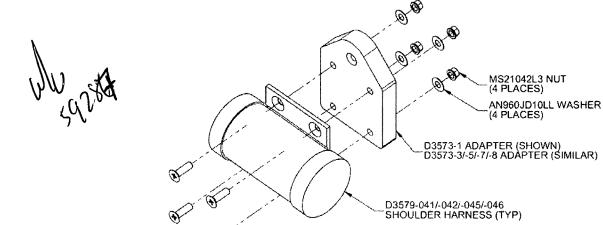
2000

May 31, 2010 8:39:03 AM

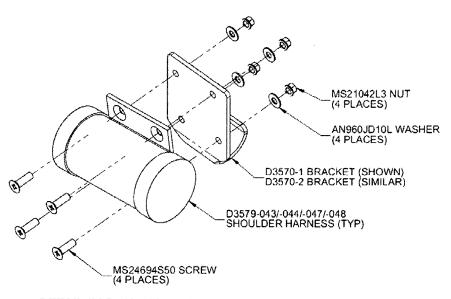
Shop Packet Print

Page 2

ICA Page 79 (80 blank) of 98



DETAIL 'K' D412-702-101A/-103A/-105A/-107A/-109A/-115A/-117A AND D412-702-101B/-103B/-105B/-107B/-109B/-115B/-117B HARNESS ASSEMBLIES (BELTS, K6.2 CLIP AND D3569-1/-2/-3 DECAL NOT SHOWN)



WITH D3573-1 ADAPTER: MS24693S273 SCREW WITH D3573-3/-5/-7/-8 ADAPTER: MS24693S272 SCREW (4 PLACES)

DETAIL 'L' D412-702-111A/-111B/-113A/-113B HARNESS ASSEMBLIES (BELTS AND D3569-1/-2/-3 DECALS NOT SHOWN)

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REFERENCE ONLY

INSTALLATION

1.24

The Dart D412-702-3XX kits should be installed similar to the kits in Installation Instructions IIN-D412-702 Rev. E or Dart Service Instruction (DSI) listed below:

TABLE 1

. . .

	· }	
Part Number	Description	Install similar to:
D412-702-341	Shoulder Harness Kit	D412-702-041B (IIN-D412-702, DSI 9408)
D412-702-343	Shoulder Harness Kit	D412-702-043B (IIN-D412-702, DSI 9453 [214], DSI 9408)
D412-702-345	Shoulder Harness Kit	D412-702-045B (IIN-D412-702, DSI 9469)
D412-702-347	Shoulder Harness Kit	D412-702-047B (IIN-D412-702, DSI 9408)
D412-702-349	Shoulder Harness Kit	D412-702-049B (IIN-D412-702, DSI 9408)
D412-702-351	Shoulder Harness Kit	D412-702-051B (LH) (DSI 9397, DSI 9408) D412-702-052B (RH) (DSI 9397, DSI 9408)
D214-702-337	Shoulder Harness Kit	D214-702-037B (DSI 9454)
D205-702-353	Shoulder Harness Kit	D205-702-053B (DSI 9460)
		D. (40 D.00 40 40 (III) D. (40 D.00)
D412-702-301	Harness Assembly	D412-702-101B (IIN-D412-702)
D412-702-303	Harness Assembly	D412-702-103B (IIN-D412-702)
D412-702-305	Harness Assembly	D412-702-105B (IIN-D412-702)
D412-702-307	Harness Assembly	D412-702-107B (IIN-D412-702)
D412-702-309	Harness Assembly	D412-702-109B (IIN-D412-702)
D412-702-311	Harness Assembly	D412-702-111B (IIN-D412-702)
D412-702-313	Harness Assembly	D412-702-113B (IIN-D412-702)
D412-702-315	Harness Assembly	D412-702-115B (IIN-D412-702)
D412-702-317	Harness Assembly	D412-702-117B (IIN-D412-702)
D412-702-319	Harness Assembly	D412-702-119B (DSI 9454)
D412-702-321	Harness Assembly	D412-702-121B (DSI 9454, DSI 9469)
D412-702-323	Harness Assembly	D412-702-123B (DSI 9454, DSI 9469)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

Life Parage

BY: D. SHEPHERD (DE # 02)

DATE: 10.03.22 CERT. NO.: SH04-7

ISSUE NO.: 3

	DESIGN	q)	DART AEROSPACE	LTD
	DRAWN	97	HAWKESBURY, ONTARIO, CANA	ADA
	CHECKED	_4	DRAWING NO.	REV. A
	MFG. APPR.	N/A	DSI 9511	SHEET 2 OF 6
:	APPROVED	140	TITLE	SCALE
	DE APPR.	-#-	NEW SHOULDER HARNESS KITS	NTS
. 1	DATE 10.0	3.18	COPYRIGHT © 2010 BY DART AEROSPACE THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRE- NOT TO BE USED FOR ANY PURPOSE OR COMPANIOLATED TO ANY OF WRITTEN PERMASSICAL POAD ART AEROSPACE IT TO	SS CONDITION THAT IT IS

W/O:			V	VORK ORDER CI	HANGE	3				
DATE	STEP	PROC	CEDURE CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		•								
					÷					
					•					
Part No	:	PAR #:	_ Fault Ca	tegory:		NCR: Yes	No DQ	A :	Date:	
	R	esolution:	_ Disposit	ion:		QA: N/C C	losed:		Date: _	
NCR:		W	ORK OR	DER NON-CONF	ORMAN	CE (NCI	R)			
DATE	STEP	Description of NC	1	Corrective Action	Section		Verific	ation	Approval	Approval
		Section A	Initial Chief Eng	Action Descr Chief Eng		Sign Date		on C	Chief Eng	QC Inspector
<u> </u>										
										<u> </u> -

PARTS LIST

1.00

TABLE 2

QTY	QTY -:-343	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
		-040		-545	-551	D440 700 044	Dart 13-Man 3-Point
X	()			_		D412-702-341	Shoulder Harness Kit
and state	X		,			D412-702-343	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
14	S.	х	1	, i		D412-702-345	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
			χ) }, 1:		D412-702-347	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
			a oderljeen	X		D412-702-349	Dart 1-Man 3-Point Forward Shoulder Harness Kit
					Х	D412-702-351	Dart 1-Man 3-Point Shoulder Harness Kit
1	1	 	1	7 1		D412-702-059	GROMMET KIT
9	5	t	4	1	1	D3761-1-041	HOOK AND LOOP STRIP (DSI 9408)
2	1 1*		1 1*	. 4	<u> </u>	D412-702-301	HARNESS ASSEMBLY (NEW)
11*	_	-	1*			D3573-7	ADAPTER
# 4*	<i>্</i> া: 4*	 	4*			D4088-041 MS24693S272	SHOULDER HARNESS (NEW) SCREW
1.4*	4*	 	4*			AN960JD10LL	WASHER
4.	4*		4*	. ,		MS21042L3	NUT
	, eds., T						
2	√∃ 1		1 :			D412-702-303	HARNESS ASSEMBLY (NEW)
1*	1*		1*	·		D3573-8	ADAPTER
1*	1*		1*	· :		D4088-041	SHOULDER HARNESS (NEW)
4*	4*		4*	<u> </u>		MS24693S272	SCREW
4*	4*		4*	1'		AN960JD10LL	WASHER
4*	4*		4**			MS21042L3	NUT
1	1		-	1		D412-702-305	HARNESS ASSEMBLY (NEW)
- 1*	1*			1*		D3573-1	ADAPTER
1*	1*	 		1*		D4088-041	SHOULDER HARNESS (NEW)
4*	4*			4*		MS24693S273	SCREW
4* ,	4*			4*		AN960JD10LL	WASHER
4*	-4*			4*		MS21042L3	NUT
13.				2. 4			
1	1		· .		1	D412-702-307	HARNESS ASSEMBLY (NEW)
1*	1*			.4	1*	D3573-3	ADAPTER
=_1; .=	1*				1*	D4088-041	SHOULDER HARNESS (NEW)
4*	.∞•·4*	ļ	727	-	4*	MS24693S272	SCREW
4*	".: 4 *	ļ	6		4*	AN960JD10LL	WASHER
4*	4*	ļ			4*	MS21042L3	NUT
1	. 1	 		7		D412-702-309	HARNESS ASSEMBLY (NEW)
1*	1*	<u> </u>		÷		D3573-3	ADAPTER (NEW)
1*	1*	<u> </u>				D4088-041	SHOULDER HARNESS (NEW)
4*	4*			<i>'</i> .		MS24693S272	SCREW
4*	4*					AN960JD10LL	WASHER
4*	4*			3 -		MS21042L3	NUT
		1		للبيا			· · · · · · · · · · · · · · · · · · ·

* denotes that part is included in assembly above

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT, CERTIFICATION
BRANCH
DAO# 01-0-01

BY: D. SHEPH#RD (DE # 02)

DATE: 10.03.22

CERT. NO.: SH04-7

ISSUE NO.: 3

continued next page...

DESIGN P		DART AEROSPACE LTD					
DRAWN	9?	HAWKESBURY, ONTARIO, CAN					
CHECKED	A	DRAWING NO.	REV. A				
MFG. APPR.	N/A	DSI 9511	SHEET 3 OF 6				
APPROVED	10,	TITLE	SCALE				
DE APPR.	#	NEW SHOULDER HARNESS KITS	NTS				
DATE 10.0	3.18	COPYRIGHT © 2010 BY DART AEROSPAC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPR MOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY	ESS CONDITION THAT IT IS				

W/O:			WO	RK ORDER CHANG	ES			• • • • • • • • • • • • • • • • • • • •	
DATE	STEP	PR	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				· · · · · · · · · · · · · · · · · · ·				Prod Mgr	,
11.									
-									:
Part No	•	PAR #:	Fault Cate	jory:	_ NCR: Yes	No DQ	A:	Date: _	
	Re	solution:	Disposition	n:	_ QA: N/C	Closed:	***	Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NC	R)			
DATE	CTED	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	& Sec	tion C	Chief Eng	QC Inspector
									1
				÷					
								!	

... continued from previous page

QTY -341	QTY -343	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
1	<u> </u>	1				D412-702-311	HARNESS ASSEMBLY (NEW)
1*		1*				D3570-1	BRACKET
1*		1*				D4088-043	SHOULDER HARNESS (NEW)
4*		4*				MS24694S50	SCREW
4*		4*				AN960JD10L	WASHER
4*		4*				MS21042L3	NUT
1,	Ohr. Zeshiri	1				D412-702-313	HARNESS ASSEMBLY (NEW)
1* ¢	2 900	1*				D3570-2	BRACKET
1*	2 1	1*		7		D4088-043	SHOULDER HARNESS (NEW)
4*		4*			l	MS24694S50	SCREW
4*		4*		1,		AN960JD10L	WASHER
4*		4*		1		MS21042L3	NUT
1			1		ļ	D412-702-315	HARNESS ASSEMBLY (NEW)
1*	<u> </u>		1*			D3573-5	ADAPTER
1***	7		1*			D4088-041	SHOULDER HARNESS (NEW)
4*	1.0		4*	· . · ·		MS24693S272	SCREW
4**		†	4*	- (AN960JD10LL	WASHER
4*			4*			MS21042L3	NUT
11'			1		<u> </u>	D412-702-317	HARNESS ASSEMBLY (NEW)
. 1*			1*	7.17		D3573-5	ADAPTER
1*	and Page 19	1	1*			D4088-041	SHOULDER HARNESS (NEW)
4*		1	4*			MS24693S272	SCREW
4* -			4*			AN960JD10LL	WASHER
4*.	, m. mar.		4*			MS21042L3	NUT
1 1	3	1				D412-702-321	HARNESS ASSEMBLY (NEW)
1*		1*				D3570-3	BRACKET
1*	<u> </u>	1*			.	D4088-043	SHOULDER HARNESS (NEW)
4*		4*		1		MS24694S50	BOLT
4*		4*				AN960JD10L	WASHER
4*	·	4*				MS21042L3	NUT
.1.	-	1	 			D412-702-323	HARNESS ASSEMBLY (NEW)
1*		1*	1			D3570-4	BRACKET
1*		1*				D4088-043	SHOULDER HARNESS (NEW)
4*		4*				MS24694S50	BOLT
4*		4*		1		AN960JD10L	WASHER
4*		4*		1		MS21042L3	NUT

* denotes that part is included in assembly above

continued next page...

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

D. SHEPHERD (DE # 02)

DATE: 10.03.22
CERT. NO.: SH04-7
ISSUE NO.: 3

DESIGN	P	DART AEROSPACE LTD					
DRAWN	97	HAWKESBURY, ONTARIO, CANA	DA				
CHECKED	A	DRAWING NO.	REV. A				
MFG. APPR.	N/A	DSI 9511 s	HEET 4 OF 6				
APPROVED	1.0	TITLE	SCALE				
DE APPR.	#	NEW SHOULDER HARNESS KITS	NTS				
DATE 10.0	3.18	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.					

W/O:			W	ORK ORDER CHANG	GES				
DATE	STEP	PRO	Ву	Date	Qty	Approvål Chief Eng / Prod Mgr	Approval QC Inspector		
				•					
				,					
Part No:		PAR #:	Fault Cate	gory:	_ NCR: Yes No DQA: Date:				
Resolution:						A: N/C Closed:			
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NCF	R)			
DATE	STEP	Description of NC	In this I	Corrective Action Section B			cation	Approval Ap	Approval
	Section A		Initial Action Desc Chief Eng Chief Eng		Sign & Date	Sect	on C		QC Inspector
								.	

... continued from previous page

QTY -341	QTY -343	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
2	2					D3542-1	BRACKET
. 7	3		4	1		D3571-1	GUIDE
2	2					D3571-3	GUIDE
2		2				D3572-041	GUIDE ASSEMBLY
· 12····	6		6	2		D3578-041	DOUBLER
·2	2					D3610-041	BRACKET
2	2					D3618-1	CAP
4	4					AN4-10A	BOLT
2		2				AN4-16A	BOLT
4		4				AN4-25A	BOLT
4		4			1	AN4-27A	BOLT (DSI 9469)
. · 2. · ·	- 2					AN4-44A	BOLT
2	2					MS24693S274	SCREW
3	3			1		MS24694S56	SCREW
10	2		8			MS24694S58	SCREW
. 1	1			1		MS24694S60	SCREW
26	6	20		1 10		AN960JD416	WASHER
4	4					AN960JD416L	WASHER
12	6	6				MS21042L4	NUT
r 24 -	12	Ĭ	12	4		CR3212-4-4	RIVET

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

BY: D. SHEPHERD (DE # 02)

DATE: 10.03.22
CERT. NO.: SH04-7
ISSUE NO.: 3

DESIGN	q?	DART AEROSPACE LTD						
DRAWN	97	HAWKESBURY, ONTARIO, CANADA						
CHECKED	4	DRAWING NO.	REV. A					
MFG. APPR.	N/A	DSI 9511 s	HEET 5 OF 6					
APPROVED	10	TITLE	SCALE					
DE APPR.	-##	NEW SHOULDER HARNESS KITS	NTS					
DATE 10.0	3.18	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND COMFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR CORPIG OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.						

	•									
W/O:			WO	RK ORDER CHANG	GES				=-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
DATE	STEP	PR	Ву	Date	Qty	Approvál Chief Eng / Prod Mgr	Approval QC Inspector			
							;			
				•						
Part No: PAR										
	Res					QA: N/C Closed: Date:				
NCR:			WORK ORDE	R NON-CONFORM	IANCE (NCF	R)				
DATE	STEP	Description of NC	Initial	ction B	Sign & Verification			Approval		
		Section A	Chief Eng	Action Description Chief Eng	Date	Secti	on C	Chief Eng	QC Inspector	
				ı						
						•				